Biology and Philosophy **14:** 632–634, 1999.

Contents of Volume 14

Volume 14 No. 1 January 1999

ROBERT N. BRANDON / Introduction 1–7

DAVID WŸSS RUDGE / Taking the Peppered Moth with a Grain of Salt 9–37

JOEL B. HAGEN / Retelling Experiments: H.B.D. Kettlewell's Studies of Industrial Melanism in Peppered Moths 39–54

SCOTT A. KLEINER / Serendipity and Vision: Two Methods for Discovery Comments on Nickles 55–64

CAMERON SHELLEY / Preadaptation and the Explanation of Human Evolution 65–82

ANDREAS WAGNER / Causality in Complex Systems 83–101

JOHN C. GREENE / Reflections on Ernst Mayr's *This is Biology* 103–116

CAMILO J. CELA-CONDE / Complexity and Transition: From Chemical Evolution to Language 117–126

JAMES R. GRIESEMER / Materials for the Study of Evolutionary Transition 127–142

TODD A. GRANTHAM / Philosophical Perspectives on the Mass Extinction Debates? 143–150

Booknotes 151–156

Biology and Philosophy **14:** 632–634, 1999.

Contents of Volume 14

Volume 14 No. 1 January 1999

ROBERT N. BRANDON / Introduction 1–7

DAVID WŸSS RUDGE / Taking the Peppered Moth with a Grain of Salt 9–37

JOEL B. HAGEN / Retelling Experiments: H.B.D. Kettlewell's Studies of Industrial Melanism in Peppered Moths 39–54

SCOTT A. KLEINER / Serendipity and Vision: Two Methods for Discovery Comments on Nickles 55–64

CAMERON SHELLEY / Preadaptation and the Explanation of Human Evolution 65–82

ANDREAS WAGNER / Causality in Complex Systems 83–101

JOHN C. GREENE / Reflections on Ernst Mayr's *This is Biology* 103–116

CAMILO J. CELA-CONDE / Complexity and Transition: From Chemical Evolution to Language 117–126

JAMES R. GRIESEMER / Materials for the Study of Evolutionary Transition 127–142

TODD A. GRANTHAM / Philosophical Perspectives on the Mass Extinction Debates? 143–150

Booknotes 151–156

Volume 14 No. 2 April 1999

MICHAEL BRADIE / Lewontin's Legacy 157–158

MICHAEL BRADIE / Science and Metaphor 159–166

ROBERT N. BRANDON / The Units of Selection Revisited: The Modules of Selection 167–180

PETER GODFREY-SMITH / Adaptationism and the Power of Selection 181–194

PHILIP KITCHER / The Hegemony of Molecular Biology 195–210

ELISABETH A. LLOYD / Evolutionary Psychology: The Burdens of Proof 211–233

SAHOTRA SARKAR / From the *Reaktionsnorm* to the Adaptive Norm: The Norm of Reaction, 1909–1960 235–252

ELLIOTT SOBER / *Modus Darwin* 253–278

W. C. WIMSATT / Genes, Memes and Cultural Heredity 279–310

Booknotes 311–319

Volume 14 No. 3 July 1999

EVELYN FOX KELLER / Understanding Development 321–330

MALCOLM S. GORDON / The Concept of Monophyly: A Speculative Essay 331–348

LISA GANNETT / What's in a Cause?: The Pragmatic Dimensions of Genetic Explanations 349–374

K.J. KORFIATIS and G.P. STAMOU / Habitat Templets and the Changing Worldview of Ecology 375–393

BRIAN L. KEELEY / Fixing Content and Function in Neurobiological Systems: The Neuroethology of Electroreception 395–430

DAVID SLOAN WILSON / A Critique of R.D. Alexander's Views on Group Selection 431–449

HENRY PLOTKIN / Evolution in the Family 451–458

KIM STERELNY / Bacteria At The High Table 459–470

Booknotes 471–476

Volume 14 No. 4 October 1999

JAMES G. LENNOX / In Memoriam: Carl G. (Peter) Hempel 1905–1997 477–480

DAVID L. HULL / The Use and Abuse of Sir Karl Popper 481–504

CHRISTOPHER D. HORVATH / Measuring Gender 505–519

BRUCE GLYMOUR / Population Level Causation and a Unified Theory of Natural Selection 521–536

GIOVANNI CAMARDI / Charles Lyell and the Uniformity Principle 537–560

TREVOR HUSSEY / Evolutionary Change and Epistemology 561–584

SHERRIE LYONS / In Search of Huxley the Scientist 585–591

BRUCE H. WEBER / Irreducible Complexity and The Problem of Biochemical Emergence 593–605

Book Review:

MICHAEL BRADIE / Evolutionary Game Theory Meets the Social Contract 607–613

JACK WILSON / To be Continued ...: A Review of – Do Lemmings Commit Suicide: Beautiful Hypotheses and Ugly Facts 615–619

ROBERT CHAMETZKY / Letter to the Editor 621

Booknotes 623–628

Call for Papers 629

Index of Key Words 630–631

Volume Contents 632–634